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NOVELTIES IN THE DOMINICAN FLORA

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Since the publication of Moscoso's *Catalogus Florae Domingensis* in 1943, several botanical explorations in our country have been carried out which have resulted in the discovery of a number of unrecorded species, some new to science, others first records for our Island whose centers of dispersion are localized in the surrounding countries and islands.

The continuing correspondence with foreign botanical libraries, herbaria and botanists, the acquisition of ancient and modern scientific works on the West Indian Floras and the revision of many taxonomic groups by eminent botanical authorities have brought forth a better knowledge of our vegetation, the identification of new species, the reduction of many binomials to synonymy, new combinations according to recent concepts in the consideration of genera and species and so forth.

Out of these botanical investigations and from the study of our collections, we have found about 700 species not included in the above mentioned work. With them we have prepared a Supplement to it hoping that in the near future we will be able to have it in print. At the request of many friends, we have extracted the novelties from the manuscript of the supplement and they are presented here in anticipation of their ultimate inclusion in the larger work.

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PALMACEAE

Zombia antillarum Bailey var. **GONZALEZII** Jiménez, var. nov.

Haec varietas a forma typica speciei fructibus minoribus sordide flavis et pyriformibus recedit.

This variety differ from the type species in having smaller fruits, 15-16 mm. long, 10-11 mm. broad; in their pyriform shape instead of globose-oblong and in the dirty-yellow colour instead of waxy-white. DOMINICAN REPUBLIC: Near Santiago Rodriguez, Province of Santiago Rodriguez, *Jiménez 2590-B*, (type).

ORCHIDACEAE

Bletia purpurea (Lam.) DC var. **ALBA** Ariza-Julia & Jiménez, var. nov.

Haec varietas a forma typica speciei floribus albis et disco flavo recedit.

This variety differ from the type species in having white flowers and a yellow disc. DOMINICAN REPUBLIC: Collected by Mr. Luis Ariza Julia at Yásica, on the road, between Yásica and Yasiquita bridges, Province of Puerto Plata and cultivated in his garden, *Jiménez 3714*, (type).

Laeliopsis domingensis Lindl. var. **ALBA** Ariza-Julia & Jiménez, var. nov.

Haec varietas a forma typica speciei floribus albis differt.

This variety differ from the typical species in having white flowers. DOMINICAN REPUBLIC: El Canal, Sosúa, Province of Puerto Plata, *Jiménez 3715*, (type).

CAESALPINIACEAE

Cassia enneryana (Britton) Jiménez, comb. nov.

Chamaecrista enneryana Britton, N. A. Flora 23. 5: 275. 1930.

Cassia fitchiana (Britton & Rose) Jiménez, comb. nov.

Peirania fitchiana Britton & Rose, N. A. Flora 23. 4: 264. 1930.

Cassia froidensis Jiménez, nom. nov.

Chamaecrista haitiensis Britton, N. A. Flora 23. 5: 276. 1930.

Cassia haitiensis (Britton) Jiménez, comb. nov.

Peirania haitiensis Britton, N. A. Flora 23. 4: 261. 1930.

Cassia leonardae (Britton) Jiménez, comb. nov.

Chamaecrista leonardae Britton, N. A. Flora 23. 5: 281. 1930.

RUTACEAE

Zanthoxylum anadenium (Urb. & Ekm.) Jiménez, comb. nov.

Fagara anadenia Urb. & Ekm. in Ark. foer Bot. Bd. 24A. 4: 15. 1931.

Zanthoxylum azuense (Urb. & Ekm.) Jiménez, comb. nov.

Fagara azuensis (Urb. & Ekm.) in Ark. foer Bot. Bd. 22A. 8: 55. 1928.

Zanthoxylum domingense (Krug & Urb.) Jiménez, comb. nov.

Fagara domingensis Krug & Urb. in Engl. Jahrb. 21: 586. 1896.

Zanthoxylum furcyense (Urb.) Jiménez, comb. nov.

Fagara furcyensis Urb. in Ark. foer Bot. Bd. 20A. 5: 16. 1921.

Zanthoxylum haitiense (Urb.) Jiménez, comb. nov.

Fagara haitiensis Urb. in Ark. foer Bot. Bd. 20A. 15: 36. 1926.

- Zanthoxylum lenticellosum** (Urb. & Ekm.) Jiménez, comb. nov.
Fagara lenticellosa Urb. & Ekm. in Ark. foer Bot. Bd. 24A. 4: 13. 1931.
- Zanthoxylum leonardi** (Urb.) Jiménez, comb. nov.
Fagara leonardi Urb. in Fedde Repert. 24: 5. 1927.
- Zanthoxylum nigrescens** (Urb. & Ekm.) Jiménez, comb. nov.
Fagara nigrescens Urb. & Ekm. in Ark. foer Bot. Bd. 22A. 8: 53. 1928.
- Zanthoxylum obcordatum** (Urb. & Ekm.) Jiménez, comb. nov.
Fagara obcordata Urb. & Ekm. in Ark. foer Bot. Bd. 20A. 15: 36. 1926.
- Zanthoxylum obtriangulare** (Urb.) Jiménez, comb. nov.
Fagara obtriangularis Urb. in Ark. foer Bot. Bd. 22A. 8: 54. 1928.
- Zanthoxylum tetraphyllum** (Urb. & Ekm.) Jiménez, comb. nov.
Fagara tetraphylla Urb. & Ekm. in Ark. foer Bot. Bd. 20A. 5: 15-16. 1926.

ERICACEAE

- Lyonia apiculata** (Sleumer) Jiménez, comb. nov.
Xolisma apiculata Sleumer in Fedde Rep. 36: 270. 1934.
- Lyonia cryptogonia** (Sleumer) Jiménez, comb. nov.
Xolisma cryptogonia Sleumer in Fedde Rep. 36: 270. 1934.
- Lyonia elongata** (Sleumer) Jiménez, comb. nov.
Xolisma elongata Sleumer in Fedde Rep. 36: 271. 1934.
- Lyonia longelaminata** (Sleumer) Jiménez, comb. nov.
Xolisma longelaminata Sleumer in Fedde Rep. 36: 271. 1934.
- Lyonia orbiculata** (Sleumer) Jiménez, comb. nov.
Xolisma orbiculata Sleumer in Fedde Rep. 36: 272. 1934.
- Lyonia pseudotinensis** (Sleumer) Jiménez, comb. nov.
Xolisma pseudotinensis Sleumer in Fedde Rep. 36: 272. 1934.
- Lyonia urbaniana** (Sleumer) Jiménez, comb. nov.
Xolisma urbaniana Sleumer in Fedde Rep. 36: 273. 1934.

ASCLEPIADACEAE

- Cynanchum aemulans** (Schlecht.) Jiménez, comb. nov.
Metastelma aemulans Schlecht. in Urb. Symb. Ant. 1: 252. 1899.
- Cynanchum crassiusculum** (Schlecht.) Jiménez, comb. nov.
Metastelma crassiusculum Schlecht. in Urb. Symb. Ant. 1: 261. 1899.
- Cynanchum domingense** (Schlecht.) Jiménez, comb. nov.
Metastelma domingense Schlecht. in Urb. Symb. Ant. 1: 251. 1899.
- Cynanchum glabrius** (Markgraf) Jiménez, comb. nov.
Metastelma glabrius Markgraf in Ark. foer Bot. Bd. 22A. 10: 103. 1928.
- Cynanchum gonavense** Jiménez, nom. nov.
Metastelma ekmanii Markgraf in Ark. foer Bot. Bd. 22A. 10: 104. 1928.

The binomial *C. ekmanii* cannot be applied to this species because Alain in *Flora de Cuba* 4: 205. 1957 had given it to the Cuban endemic species *Astephanus Schlechterianus* Urb.

Cynanchum gracile (Dcne.) Jiménez, comb. nov.

Metastelma gracile Dcne. in DC. Prodr. 8: 515. 1844.

Cynanchum haitiense Jiménez, nom. nov.

Metastelma astephanoides Schlecht. in Urb. Symb. Ant. 8: 551. 1920.

Cynanchum astephanoides has been used by Standley for the mexican species, *Vincetoxicum astephanoides* Gray. See Standley's Trees and Shrubs of Mexico, Contr. U. S. Nat. Herb. 23: 1177. 1924.

Cynanchum leptocladum (Dcne.) Jiménez, comb. nov.

Metastelma leptocladum (Dcne.) Schlecht. in Urb. Symb. Ant. 1: 261. 1899.

Cynanchum leptophyllum (Schlecht.) Jiménez, comb. nov.

Astephanus leptophyllum Schlecht. in Urb. Symb. Ant. 1: 241. 1899.

Cynanchum occidentale (Spreng.) Jiménez, comb. nov.

Tainionema occidentale (Spreng.) Schlecht. in Urb. Symb. Ant. 1: 264. 1899.

Cynanchum picardae (Schlecht.) Jiménez, comb. nov.

Metastelma Picardae Schlecht. in Urb. Symb. Ant. 1: 252. 1899.

Cynanchum stenoglossum (Schlecht.) Jiménez, comb. nov.

Metastelma stenoglossum Schlecht. in Urb. Symb. Ant. 1: 252. 1899.

Cynanchum tylophoroides (Schlecht.) Jiménez, comb. nov.

Metastelma tylophoroides Schlecht. in Urb. Symb. Ant. 1: 259. 1899.

Matelea constanzana Jiménez, nom. nov.

Poicillopsis Tuerckheimii Schlecht. in Urb. Symb. Ant. 7: 339. 1912.

The binomial *Matelea Tuerckheimii* cannot be utilized in this case because Woodson has previously used it, based on the central american *Gonolobus Tuerckheimii* Donn. See his work "The North American Asclepiadaceae" in Ann. Mo. Bot. Gard. 28: 234. 1941.

Matelea crispiflora (Urb.) Jiménez, comb. nov.

Poicillopsis crispiflora Urb. in Fedde Repert. 19: 7. 1923.

LENTIBULARIACEAE

Pinguicula casabitoana Jiménez, sp. nov.

Herba epiphytica, acaulis; folia integra, lineari-spatulata, basi rosulata, piloso-glandulosa, succulenta, glauca, 1.5-2 cm. longa; scapus axillaris, piloso-glandulosus, uniflorus, usque 5 cm. longus; corolla alba, 7 mm. longa.

Stemless and epiphytic herb, growing on dry twigs of different plants in wet places; leaves forming a basal rosette, linear-spatulate, entire, succulent, glaucous, glandular-hairy, 1.5-2 cm. long, 1 mm. wide; scapes solitary, 1 — flowered, axillary, very slender, glandular-hairy, erect, the longest 5 cm. long; calyx 5 — merous, densely glandular-hairy; corolla white, 5 — merous, 7 mm. long; spur short, obtuse; capsule not seen.

Similar to the Cuban *P. lignicola* Barnh. but differing from it in its more dense pubescence, longer leaves, longer scapes and shorter corollas. DOMINICAN REPUBLIC: Alto de Casabito, Province of La Vega, 1400 m. above sea level, Jiménez 3029, (type). Loma La Vieja, Province of La Vega, Ekman, H-14051.